

# INTERNATIONAL SEARCH REPORT

International Publication No  
PCT/EP2004/006823

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G01N27/414

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX, EMBASE, INSPEC, BIOSIS, MEDLINE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/26019 A (STEWART MICHAEL P ;BURIAK JILLIAN M (US); PURDUE RESEARCH FOUNDATI) 11 May 2000 (2000-05-11) page 1, line 27 - page 3, line 29 page 8, line 21 - page 9, line 23 -----	1-3
A	BURIAK J M: "SILICON-CARBON BONDS ON POROUS SILICON SURFACES" ADVANCED MATERIALS, VCH VERLAGSGESELLSCHAFT, WEINHEIM, DE, vol. 11, no. 3, 11 February 1999 (1999-02-11), pages 265-267, XP000803289 ISSN: 0935-9648 page 267, left-hand column ----- -/-	1-3

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

22 November 2004

Date of mailing of the international search report

23. 02. 2005

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/006823

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SIEVAL A B ET AL: "HIGH-QUALITY ALKYL MONOLAYERS ON SILICON SURFACES" ADVANCED MATERIALS, VCH VERLAGSGESELLSCHAFT, WEINHEIM, DE, vol. 12, no. 19, 2 October 2000 (2000-10-02), pages 1457-1460, XP000966764 ISSN: 0935-9648 page 1457 page 1460	1-3
A	----- US 6 485 986 B1 (ROBINS EDWARD ET AL) 26 November 2002 (2002-11-26) abstract columns 1-4 -----	1-3

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2004/006823

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see annex

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3, 7-12 (in part),

A method of manufacturing a device by forming patterned alkylmonolayers on a Si surface via irradiation mediated formation of SiO<sub>2</sub>.  
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2. claims: 4-6, 7-12 (in part), 14-17, 18 (in part), 19

A method of manufacturing a device by forming patterned alkylmonolayers containing different components.  
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3. claims: 12 (in part), 18 (in part), 20

Method of coupling an oligosaccharide or oligopeptide derivative to a silicon surface via covalent Si-C bonds.  
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/006823

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0026019	A	11-05-2000	AU	1604200 A	22-05-2000
			WO	0026019 A1	11-05-2000
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US 6485986	B1	26-11-2002	US	2002197389 A1	26-12-2002
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